



SEQUENCE LISTING

☐☐☐ <110> Lane, David☐☐ Bottger, Volker☐☐ Bottger, Angelica☐☐ Picksley, Stephen☐☐ Chene, Patrick☐☐ Hochkeppel, Heinz-Kurt☐☐ Garcia-Echeverria, Carlos☐☐ Furet, Pascal☐☐☐ <120> Inhibitors of the Interaction of P53 and MDM2☐☐☐ <130> 4-20937/A/PCT☐☐☐ <140> herewith☐☐ <141> 1999-01-05☐☐☐ <150> PCT/EP97/03549☐☐ <151> 1997-07-04☐☐☐ <160> 83☐☐☐ <170> PatentIn Ver. 2.0☐☐☐ <210> 1☐☐ <211> 19☐☐ <212> PRT☐☐ <213> Artificial Sequence☐☐

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Pro Leu Ser Gln Gln Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu

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Asn Asn Val

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☐

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<223> Where Xaa may be any amino acid

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☐

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Phe Xaa Xaa Leu Trp

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<223> Xaa represents any amino acid and proline,

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phenylalanine, aspartic acid, tyrosine ,

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tryptophan and leucine are L-amino acids

□

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Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu

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<221> VARIANT

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<223> x=proline, leucine, glutamic acid, cysteine or

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glutamine

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 <223> x = arginine, histidine, glutamic acid, cysteine,
☐
 serine or preferably aspartic acid.
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 <222> (6)
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 <223> x = histidine, phenylalanine, or preferably
☐
 tyrosine
☐

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 <222> (10)
☐
 <223> x=phenylalanine, glutamine or preferably leucine
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 <223> Xaa at position 2, 4, 8 and 9 is any amino acid
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<223> X = methionine, isoleucine, threonine, arginine,

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alanine or serine

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☐ aspartic acid
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☐ leucine
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□

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□

Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys

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alanine or serine, preferably methionine

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serine, or preferably aspartic acid.

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tyrosine

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phenylalanine or serine, preferably glutamic acid

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leucine.

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<223> X = His-NH₂

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Thr Gly Pro Ala Phe Thr His Tyr Trp Ala Thr Xaa

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C1
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<223> X = Ac-Cys (Acrlld) or Ac-Cys

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C1
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Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa

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Xaa Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro

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Ala Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn Ala Xaa

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<223> X = Cys-NH₂

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<223> X = Ac-Glu

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<223> X = CO-NH bridge (lactam peptide derivative)

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Xaa Met Asp Tyr Trp Glu Gly Xaa

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Val Gln Asn Phe Ile Asp Tyr Trp Thr Gln Gln Phe

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Pro Ala Phe Ser Arg Phe Trp Ser Asp Leu Ser Ala Gly Ala His

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C1
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 gcggatccga tggtagaggag caggcaaattg
 □

30

□
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 <211> 33
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 <213> Artificial Sequence
 □

□
 <220>
 □
 <223> Description of Artificial Sequence:primer DNA
 □

□
 <400> 68
 □
 gcctgcagcc taattcgatg gcgtccctgt aga
 □

33

□
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 <211> 32
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 <213> Artificial Sequence
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□
 <220>
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 <223> Description of Artificial Sequence:primer DNA
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C1
Cont.

□

<400> 69

□

gcctgcagct aggggaaata agttagcaca at

32

□

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<210> 70

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<211> 32

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer DNA

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□

<400> 70

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32

□

□

<210> 71

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<211> 27

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<212> DNA

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<213> Artificial Sequence

□

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<220>

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□

<400> 71

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ggggatcctg aaatttcctt agctgac

27

□

□

<210> 72

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<211> 29

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<212> DNA

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<213> Artificial Sequence

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C1
Cont.

□

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<223> Description of Artificial Sequence:primer DNA

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□

<400> 72

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gcggatccat ggtgaggagc aggcaaatg

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:peptide

□

□

<220>

□

<221> VARIANT

□

<222> (1)

□

<223> X = Biotin-Ser

□

□

<400> 73

□

Xaa Gly Ser Gly Glu Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu

□

□

1

5

10

15

□

□

Trp Lys Leu Leu Pro Glu

□

20

□

□

□

<210> 74

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<211> 18

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C1
Cont

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:peptide

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□

<400> 74

□

Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro

□

1

5

10

15

□

□

Glu Asn

□

□

□

□

<210> 75

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<211> 57

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<212> DNA

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□

□

<220>

□

<223> Description of Artificial Sequence:primer DNA

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□

<400> 75

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gtccgcctct gagtcaggaa acattttcag acctatggaa actacttcct gaaaacg 57

□

□

<210> 76

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<211> 58

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<212> DNA

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<213> Artificial Sequence

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□

C1
Cont.

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<223> Description of Artificial Sequence:primer DNA

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□

<400> 76

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□

□

<210> 77

□

<211> 57

□

<212> DNA

□

<213> Artificial Sequence

□

□

<220>

□

<223> Description of Artificial Sequence:oligomeric DNA

□

□

<400> 77

□

gtccgcctct gagtcaggaa acattttcag acctatggaa actacttcct gaaaacg 57

□

□

<210> 78

□

<211> 57

□

<212> DNA

□

<213> Artificial Sequence

□

□

<220>

□

<223> Description of Artificial Sequence:oligomeric DNA

□

□

<400> 78

□

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□

□

<210> 79

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<211> 57

□

C1
Cont.

<212> DNA

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<213> Artificial Sequence

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□

<220>

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<223> Description of Artificial Sequence:oligomeric DNA

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□

<400> 79

□

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□

□

<210> 80

□

<211> 59

□

<212> DNA

□

<213> Artificial Sequence

□

□

<220>

□

<223> Description of Artificial Sequence:oligomeric DNA

□

□

<400> 80

□

gaccgttttc attaagaccc tcccaataat ccataaaacg aggcatactc tcagaggcg 59

□

□

<210> 81

□

<211> 35

□

<212> DNA

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:primer DNA

□

□

<400> 81

□

cgggatccac catgggcgat aaaattattc acctg

35

□

C1
Cont

□

<210> 82

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<211> 29

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<212> DNA

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<220>

□

<223> Description of Artificial Sequence:primer DNA

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□

<400> 82

□

ctcgacgcta acctggccta gggaattcc

29

□

□

<210> 83

□

<211> 6

□

<212> PRT

□

<213> Artificial Sequence

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□

<220>

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<223> Description of Artificial Sequence:peptide, amin

□

acid residues 18-23 of human p53

□

□

<400> 83

□

Thr Phe Ser Asp Leu Trp

□

1

5

□

□

□

□

C1
cont